

IEEE 802.3 Working Group Interim meeting 26th May 2016

David Law
Chair, IEEE 802.3 Working Group
dlaw@hpe.com

Agenda, voter list:
<http://www.ieee802.org/3/minutes/may16/index.html>

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law <dlaw@hpe.com>

IEEE 802.3 Vice Chair: Adam Healey <adam.healey@avagotech.com>

IEEE 802.3 Secretary: Pete Anslow <panslow@ciena.com>

IEEE 802.3 Executive Secretary: Steve Carlson <scarlson@ieee.org>

IEEE 802.3 Treasurer: Valerie Maguire <valerie_maguire@siemon.com>

IEEE 802.3 Task Force chairs

IEEE P802.3bn EPON Protocol over Coax (EPoC): Mark Laubach <laubach@broadcom.com>

IEEE P802.3bp 1000BASE-T1: Steve Carlson <scarlson@hspdesign.com>

IEEE P802.3bq 25G/40GBASE-T: Dave Chalupsky <david.chalupsky@intel.com>

IEEE P802.3br Interspersing Express Traffic: Ludwig Winkel <ludwig.winkel@siemens.com>

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet: John D'Ambrosia <john_dambrosia@dell.com>

IEEE P802.3bt DTE Power via MDI over 4-Pair: Chad Jones <cmjones@cisco.com>

IEEE P802.3bu 1-Pair Power over Data Lines (PoDL): Dan Dove <dan_dove@ieee.org>

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber: Bob Grow <bob.grow@ieee.org>

IEEE P802.3by 25 Gb/s Ethernet: Mark Nowell <mnowell@cisco.com>

IEEE P802.3bz 2.5G/5GBASE-T: Dave Chalupsky <david.chalupsky@intel.com>

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s EPON: Curtis Knittle <c.knittle@cablelabs.com>

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper Cables: Yong Kim <ybkim@broadcom.com>

IEEE P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber David Lewis <David.Lewis@lumentum.com>

IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Mark Nowell <mnowell@cisco.com>

IEEE 802.3 Study Group chairs

IEEE 802.3 YANG Data Model(s) Yan Zhuang <zhuangyan.zhuang@huawei.com>

WG Decorum



- Photography or recording by permission only (December 2014 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2014 IEEE-SA Standards Board Ops Manual 5.3.3.3)
- Cell phone ringers off
- Wear your badges at all times in meeting areas
 - Help the hotel security staff improve the general security of the meeting rooms
 - **PCs HAVE BEEN STOLEN** at previous meetings
 - **DO NOT** assume that meeting areas are secure
- Please observe proper decorum in meetings

Agenda

- Approve agenda
 - <http://www.ieee802.org/3/minutes/may16/>
 - Any modifications, additions or deletions?

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- Show slides #1 through #4 of this presentation
- Advise the WG attendees that:
 - The IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
 - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
 - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
 - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
 - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
 - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.



Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- **Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:**
 - **“Shall inform the IEEE (or cause the IEEE to be informed)” of the identity of each “holder of any potential Essential Patent Claims of which they are personally aware” if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents**
 - **“Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)**
- **The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group**
- **Early identification of holders of potential Essential Patent Claims is strongly encouraged**
- **No duty to perform a patent search**

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>

IEEE-SA Standards Board Operations Manual

<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>

Material about the patent policy is available at

<http://standards.ieee.org/about/sasb/patcom/materials.html>

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

This slide set is available at
<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>



Call for Potentially Essential Patents

- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
 - Either speak up now or
 - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
 - Cause an LOA to be submitted

Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
 - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
 - **Don't discuss specific license rates, terms, or conditions.**
 - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
 - Technical considerations remain primary focus
 - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
 - **Don't discuss the status or substance of ongoing or threatened litigation.**
 - **Don't be silent if inappropriate topics are discussed ... do formally object.**

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy” for more details.

Important Bylaws and Rules

- IEEE-SA Operations Manual
 - http://standards.ieee.org/develop/policies/sa_opman/
- IEEE-SA Standards Board Bylaws
 - <http://standards.ieee.org/develop/policies/bylaws/>
- IEEE-SA Standards Board Operations Manual
 - <http://standards.ieee.org/develop/policies/opman/>
- IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures
 - <http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>
- IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual
 - <http://www.ieee802.org/devdocs.shtml>
- IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures
 - <http://www.ieee802.org/devdocs.shtml>
- IEEE 802.3 Working Group Operating Rules
 - http://ieee802.org/3/rules/P802_3_rules.pdf

Membership and attendance recording

Membership requirements

- Membership requirements (gaining and retaining)
 - 75% attendance at 2 of last 4 plenary sessions
 - A qualifying interim may be substituted for one plenary
 - Request to become member during potential voter agenda item at IEEE 802.3 opening or closing plenary
 - Participate in **two** out of the last **three** IEEE 802.3 Working Group ballots to retaining membership
 - Maintain valid contact information
 - Consistent declaration of affiliation

Membership and attendance recording

- IEEE 802.3 voters

http://ieee802.org/3/minutes/may16/0516_voters.pdf

- Attendance recording

[Manage Attendee](#)

	MON	TUE	WED	THU	FRI
	14-Sep-2015	15-Sep-2015	16-Sep-2015	17-Sep-2015	18-Sep-2015
Schedule					
P802.3bn, bp, br, bt, by, 2.5/5G				7:00 8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00	
WG meeting					

Please record your attendance for an active Meeting (denoted by yellow bar) by clicking on the yellow bar. Once your attendance has been recorded, the yellow bar changes to a green bar.

Submittal: As the person submitting this form, I certify that:

1. I am submitting this attendance record for myself and not someone else. **DO NOT SUBMIT FOR OTHERS!**
2. At the time of the submittal, I am currently in the Session above.

- IEEE 802.3 balloting records

http://ieee802.org/3/ballots/ballot_returns.pdf

IEEE 802.3 Maintenance Task Force

IEEE P802.3bz 2.5G/5GBASE-T liaison
letter to ISO/IEC JTC1 SC6

IEEE Std 802.3bw-2015 adoption under
ISO/IEEE PSDO agreement

P802.3bz draft to ISO/IEC motion

- Approve
IEEE_802d3_to_ISOIEC_JTC1_SC6_0516_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to ISO/IEC JTC 1/SC 6.
 - M: Healey S: Chalupsky
 - Technical $\geq 75\%$
 - Y: , N:, A:

Task Force Motion #3:

M: Grow S: Carlson

Passed by voice without opposition 25 May 2016

IEEE Std 802.3bw-2015 to ISO/IEC motion

- Submit IEEE Std 802.3bw-2015 to ISO/IEC JTC 1/SC 6 for ratification under the PSDO agreement.
 - M: Healey S: Carlson
 - Technical $\geq 75\%$
 - Y:, N:, A:

Task Force Motion #4:

M: Carlson S: Winkel

Passed by voice without opposition 25 May 2016

IEEE P802.3br Interspersing Express Traffic Task Force

Progression to RevCom submittal

IEEE P802.3br IET to RevCom ballot

The 1st Working Group recirculation ballot on IEEE P802.3br draft D3.1 successfully on 30th April 2016

Vote Tally Draft D3.1

	D3.0	D3.1		D3.0	D3.1	
Voters	143	143				
Approve	102	106	Response rate:	82,52%	83,22%	
Disapprove with comment	5	2	Approval rate:	95,33%	99,15%	
Disapprove without comment	0	0	Abstain rate:	9,32%	9,24%	
Abstain	11	11				
Returns	118	119				
Comments	96	0				
Comments incl from floor	11	0				

Motion 1

Move that the IEEE 802.3 Working Group re-affirm the CSD (grandfathered 5 Criteria) responses in http://www.ieee802.org/3/br/8023-DMLT-SG-1311-Winkel-5C_Approved.pdf and request approval to progress the IEEE P802.3br draft to RevCom.

Moved: Ludwig Winkel on behalf of the TF IET

Technical ($\geq 75\%$ required)

Y: N: A: Results:

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force

Liaison letter to a liaison to TIA TR-42.13

WG Motion

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_TIA_0516_draft with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to TIA TR-42.13.

Moved by: John D'Ambrosia

Second by: Pete Anslow

Technical ($\geq 75\%$)

Results

Task Force Motion #3:

Moved by: Paul Kolesar

Second by: Brad Booth

Results - Motion passes by voice vote without objection

IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force

Liaison letter to NFPA

Motion xx

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_NFPA_0516_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to NFPA.

Mover: George Zimmerman

Seconded: Christian Beia

Y: xx N: xx A: xx

IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force

Progression to Sponsor ballot

IEEE P802.3bu PoDL Task Force

Activities Completed This Week

- Resolved Comments for WG Re-Circulation Ballot of D2.2
 - 30 comments submitted, all were withdrawn by commenters
- One presentation addressing comments on the draft.
- 5 motions passed, 0 failed
 - Approve Agenda ✓
 - Approve March 2016 Minutes ✓
 - Reaffirm the P802.3bu CSD (grandfathered 5C) responses in http://www.ieee802.org/3/bu/P802d3bu_5C.pdf
 - Direct the Task Force chair to make the following motion to 802.3
 - ***Move that the IEEE 802.3 Working Group re-affirm the CSD (grandfathered 5C) responses in http://www.ieee802.org/3/bu/P802d3bu_5C.pdf and request approval to progress the IEEE P802.3bu draft to IEEE 802 LMSC sponsor ballot.***
- Passed Y:11, N:0, A:1 ✓
- Charter editor to create draft 3.0 for Initial Sponsor Ballot including all state machine figures (104-4, 104-5, 104-6,104-8) in FrameMaker Format
 - Passed Y:11, N:0, A:3 ✓
- Adjourned ✓

IEEE P802.3bu PoDL Task Force Working Group ballot D2.2 results

The 3rd Working Group ballot on IEEE P802.3bu draft D2.2 closed on 2nd May, 2016 at 11:59 PM AOE.

Comments Against D2.2 – 30 * All comments were withdrawn by commenters	Third Ballot Draft D2.2			Req %
	#	%	Status	
Abstain	25	14	PASS	< 30
Disapprove with comment	0	-	-	-
Disapprove without comment	0	-	-	-
Approve	152	100	PASS	≥ 75
Ballots returned	178	64	PASS	> 50
Voters	277	-	-	-

MOTION

- Move that the IEEE 802.3 Working Group re-affirm the CSD (grandfathered 5C) responses in http://www.ieee802.org/3/bu/P802d3bu_5C.pdf and request approval to progress the IEEE P802.3bu draft to IEEE 802 LMSC sponsor ballot.

Moved by Dan Dove on behalf of the Task Force

Announcements

IEEE 802.3 Interim Meetings Announcements

- See: <http://www.ieee802.org/3/interims/index.html> for full details
- IEEE P802.3bn EPON Protocol over Coax TF
 - Tuesday, June 21, 2016
 - Santa Clara, CA, USA
- IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet TF
 - Monday, June 27 to Tuesday, June 28, 2016
 - Piscataway, NJ, USA
- IEEE P802.3bv Gigabit Ethernet Over POF TF
 - Tuesday, June 28, 2016
 - Madrid, Spain
- IEEE P802.3bz 2.5G/5GBASE-T TF
 - Monday, June 27, 2016
 - Santa Clara, CA, USA
- IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper Cables TF
 - Monday, June 27, 2016
 - Mt. View, CA, USA